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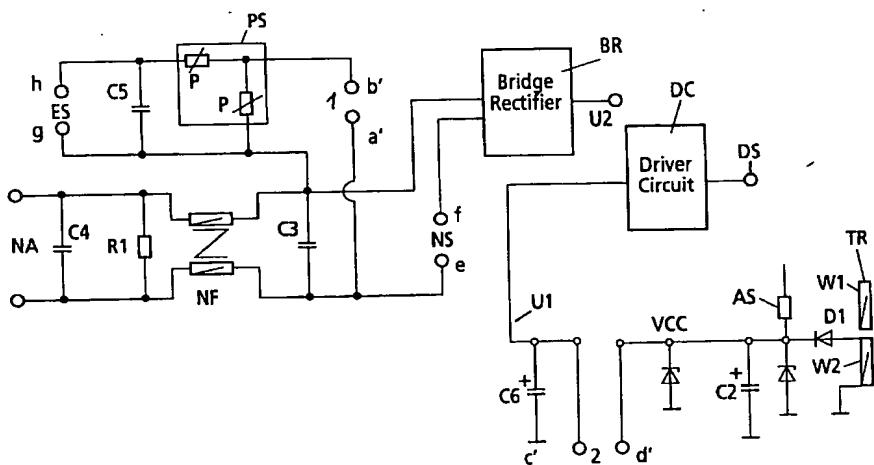
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(54) Title: **CIRCUIT ARRANGEMENT WITH POWER FACTOR CORRECTION, AND CORRESPONDING APPLIANCE**



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(57) Abstract: The circuit arrangement has a mains connection (NA), a mains switch with two switching contacts (1, 2), a demagnetization coil (ES) and a switch-mode power supply, which contains a driver circuit (DC) for producing a control voltage (DS) for the switching transistor of the switch-mode power supply. A first switching contact (1) of the mains switch is arranged between the mains connection and the demagnetization coil in order to switch the demagnetization coil on and off, and the second switching contact (2) is connected to a supply or control voltage (VCC) for the driver circuit (DC), in order to switch off the switch-mode power supply. In consequence, a power factor coil (NS) can be used between the mains connection (NA) and the switch-mode power supply for power factor correction, without the mains switch being loaded by the inductance of the power factor coil.